



Thr Lys Ala Arg Glu Gly Ser Glu Val Asp Met Glu Ala Leu Glu Arg  
 30 35 40 45  
 Met Phe Arg Tyr Leu Lys Phe Glu Ser Thr Met Lys Arg Asp Pro Thr  
 50 55 60  
 Ala Gln Gln Phe Leu Glu Glu Leu Asp Glu Phe Gln Gln Thr Ile Asp  
 65 70 75  
 Asn Trp Glu Glu Pro Val Ser Cys Ala Phe Val Val Leu Met Ala His  
 80 85 90  
 Gly Glu Glu Gly Leu Leu Lys Gly Glu Asp Glu Lys Met Val Arg Leu  
 95 100 105  
 Glu Asp Leu Phe Glu Val Leu Asn Asn Lys Asn Cys Lys Ala Leu Arg  
 110 115 120 125  
 Gly Lys Pro Lys Val Tyr Ile Ile Gln Ala Cys Arg Gly Glu His Arg  
 130 135 140  
 Asp Pro Gly Glu Glu Leu Arg Gly Asn Glu Glu Leu Gly Gly Asp Glu  
 145 150 155  
 Glu Leu Gly Gly Asp Glu Val Ala Val Leu Lys Asn Asn Pro Gln Ser  
 160 165 170  
 Ile Pro Thr Tyr Thr Asp Thr Leu His Ile Tyr Ser Thr Val Glu Gly  
 175 180 185  
 Tyr Leu Ser Tyr Arg His Asp Glu Lys Gly Ser Gly Phe Ile Gln Thr  
 190 195 200 205  
 Leu Thr Asp Val Phe Ile His Lys Lys Gly Ser Ile Leu Glu Leu Thr  
 210 215 220  
 Glu Glu Ile Thr Arg Leu Met Ala Asn Thr Glu Val Met Gln Glu Gly  
 225 230 235  
 Lys Pro Arg Lys Val Asn Pro Glu Val Gln Ser Thr Leu Arg Lys Lys  
 240 245 250  
 Leu Tyr Leu Gln  
 255

<210> 3  
 <211> 5  
 <212> PRT  
 <213> Mus musculus

<400> 3  
 Gln Ala Cys Arg Gly  
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<210> 4  
 <211> 777  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <222> (49)...(774)

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 Pro Arg Ser Leu Glu Glu Glu Lys Tyr Asp Met Ser Gly Ala Ala Leu  
 5 10 15

gcc cta ata ctg tgt gtc acc aaa gcc cgg gaa ggt tcc gaa gaa gac 153  
 Ala Leu Ile Leu Cys Val Thr Lys Ala Arg Glu Gly Ser Glu Glu Asp  
 20 25 30 35

ctg gat gct ctg gaa cac atg ttt cgg cag ctg aga ttc gaa agc acc 201  
 Leu Asp Ala Leu Glu His Met Phe Arg Gln Leu Ser Arg Phe Glu Ser Thr  
 40 45 50

atg aaa aga gac ccc act gcc gag caa ttc cag gaa gag ctg gaa aaa 249  
 Met Lys Arg Asp Pro Thr Ala Glu Gln Phe Gln Glu Glu Leu Glu Lys  
 55 60 65

ttc cag cag gcc atc gat tcc cgg gaa gat ccc gtc agt tgt gcc ttc 297  
 Phe Gln Gln Ala Ile Asp Ser Arg Glu Asp Pro Val Ser Cys Ala Phe  
 70 75 80

gtg gta ctc atg gct cac ggg agg gaa ggc ttc ctc aag gga gaa gat 345  
 Val Val Leu Met Ala His Gly Arg Glu Gly Phe Leu Lys Gly Glu Asp  
 85 90 95

ggg gag atg gtc aag ctg gag aat ctc ttc gag gcc ctg aac aac aag 393  
 Gly Glu Met Val Lys Leu Glu Asn Leu Phe Glu Ala Leu Asn Asn Lys  
 100 105 110 115

aac tgc cag gcc ctg cga gct aag ccc aag gtg tac atc ata cag gcc 441  
 Asn Cys Gln Ala Leu Arg Ala Lys Pro Lys Val Tyr Ile Ile Gln Ala  
 120 125 130

tgt cga gga gaa caa agg gac ccc ggt gaa'aca gta ggt gga gat gag 489  
 Cys Arg Gly Glu Gln Arg Asp Pro Gly Glu Thr Val Gly Gly Asp Glu  
 135 140 145

att gtg atg gtc atc aaa gac agc cca caa acc atc cca aca tac aca 537  
 Ile Val Met Val Ile Lys Asp Ser Pro Gln Thr Ile Pro Thr Tyr Thr  
 150 155 160

gat gcc ttg cac gtt tat tcc acg gta gag gga tac atc gcc tac cga 585  
 Asp Ala Leu His Val Tyr Ser Thr Val Glu Gly Tyr Ile Ala Tyr Arg  
 165 170 175

cat gat cag aaa ggc tca tgc ttt atc cag acc ctg gtg gat gtg ttc 633  
 His Asp Gln Lys Gly Ser Cys Phe Ile Gln Thr Leu Val Asp Val Phe  
 180 185 190 195

acg aag agg aaa gga cat atc ttg gaa ctt ctg aca gag gtg acc cgg 681  
 Thr Lys Arg Lys Gly His Ile Leu Glu Leu Leu Thr Glu Val Thr Arg  
 200 205 210

cgg atg gca gaa gca gag ctg gtt caa gaa gga aaa gca agg aaa acg 729  
 Arg Met Ala Glu Ala Glu Leu Val Gln Glu Gly Lys Ala Arg Lys Thr  
 215 220 225

aac cct gaa atc caa agc acc ctc cgg aaa cgg ctg tat ctg cag 774  
 Asn Pro Glu Ile Gln Ser Thr Leu Arg Lys Arg Leu Tyr Leu Gln  
 230 235 240

tag 777

<210> 5  
 <211> 242  
 <212> PRT  
 <213> Homo sapien

<400> 5

Met Ser Asn Pro Arg Ser Leu Glu Glu Lys Tyr Asp Met Ser Gly  
 1 5 10 15  
 Ala Ala Leu Ala Leu Ile Leu Cys Val Thr Lys Ala Arg Glu Gly Ser  
 20 25 30  
 Glu Glu Asp Leu Asp Ala Leu Glu His Met Phe Arg Gln Leu Arg Phe  
 35 40 45  
 Glu Ser Thr Met Lys Arg Asp Pro Thr Ala Glu Gln Phe Gln Glu Glu  
 50 55 60  
 Leu Glu Lys Phe Gln Gln Ala Ile Asp Ser Arg Glu Asp Pro Val Ser  
 65 70 75 80  
 Cys Ala Phe Val Val Leu Met Ala His Gly Arg Glu Gly Phe Leu Lys  
 85 90 95  
 Gly Glu Asp Gly Glu Met Val Lys Leu Glu Asn Leu Phe Glu Ala Leu  
 100 105 110  
 Asn Asn Lys Asn Cys Gln Ala Leu Arg Ala Lys Pro Lys Val Tyr Ile  
 115 120 125  
 Ile Gln Ala Cys Arg Gly Glu Gln Arg Asp Pro Gly Glu Thr Val Gly  
 130 135 140  
 Gly Asp Glu Ile Val Met Val Ile Lys Asp Ser Pro Gln Thr Ile Pro  
 145 150 155 160  
 Thr Tyr Thr Asp Ala Leu His Val Tyr Ser Thr Val Glu Gly Tyr Ile  
 165 170 175  
 Ala Tyr Arg His Asp Gln Lys Gly Ser Cys Phe Ile Gln Thr Leu Val  
 180 185 190  
 Asp Val Phe Thr Lys Arg Lys Gly His Ile Leu Glu Leu Leu Thr Glu  
 195 200 205  
 Val Thr Arg Arg Met Ala Glu Ala Glu Leu Val Gln Glu Gly Lys Ala

210		215		220
Arg Lys Thr Asn Pro Glu Ile Gln Ser Thr Leu Arg Lys Arg Leu Tyr				
225		230		235
Leu Gln				240

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<210> 6  
 <211> 850  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> CDS  
 <222> (48)...(737)

<400> 6

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Pro Arg Ser Leu Glu Glu Glu Lys Tyr Asp Met Ser Gly Ala Arg Leu	
5 10 15	
gcc cta ata ctg tgt gtc acc aaa gcc cgg gaa ggt tcc gaa gaa gac	152
Ala Leu Ile Leu Cys Val Thr Lys Ala Arg Glu Gly Ser Glu Glu Asp	
20 25 30 35	
ctg gat gct ctg gaa cac atg ttt cgg cag ctg aga ttc gaa agc acc	200
Leu Asp Ala Leu Glu His Met Phe Arg Gln Leu Arg Phe Glu Ser Thr	
40 45 50	
atg aaa aga gac ccc act gcc gag caa ttc cag gaa gag ctg gaa aaa	248
Met Lys Arg Asp Pro Thr Ala Glu Gln Phe Gln Glu Glu Leu Glu Lys	
55 60 65	
ttc cag cag gcc atc gat tcc cgg gaa gat ccc gtc agt tgt gcc ttc	296
Phe Gln Gln Ala Ile Asp Ser Arg Glu Asp Pro Val Ser Cys Ala Phe	
70 75 80	
gtg gta ctc atg gct cac ggg agg gaa ggc ttc ctc aag gga gaa gat	344
Val Val Leu Met Ala His Gly Arg Glu Gly Phe Leu Lys Gly Glu Asp	
85 90 95	
ggg gag atg gtc aag ctg gag aat ctc ttc gag gcc ctg aac aac aag	392
Gly Glu Met Val Lys Leu Glu Asn Leu Phe Glu Ala Leu Asn Asn Lys	
100 105 110 115	
aac tgc cag gcc ctg cga gct aag ccc aag gtg tac atc ata cag gcc	440
Asn Cys Gln Ala Leu Arg Ala Lys Pro Lys Val Tyr Ile Ile Gln Ala	
120 125 130	
tgt cga gga gaa caa agg gac ccc ggt gaa aca gta ggt gga gat gag	488
Cys Arg Gly Glu Gln Arg Asp Pro Gly Glu Thr Val Gly Gly Asp Glu	
135 140 145	

att gtg atg gtc atc aaa gac agc cca caa acc atc cca aca tac aca 536  
 Ile Val Met Val Ile Lys Asp Ser Pro Gln Thr Ile Pro Thr Tyr Thr  
 150 155 160

gat gcc ttg cac gtt tat tcc acg gta gag gga ccc acg ccc ttc cag 584  
 Asp Ala Leu His Val Tyr Ser Thr Val Glu Gly Pro Thr Pro Phe Gln  
 165 170 175

gat ccc ctc tac cta ccc tct gaa gct ccc ccg aac cca cct ctc tgg 632  
 Asp Pro Leu Tyr Leu Pro Ser Glu Ala Pro Pro Asn Pro Pro Leu Trp  
 180 185 190 195

aat tcc cag gat aca tcg cct acc gac atg atc aga aag gct cat gct 680  
 Asn Ser Gln Asp Thr Ser Pro Thr Asp Met Ile Arg Lys Ala His Ala  
 200 205 210

tta tcc aga ccc tgg tgg atg tgt tca cga aga gga aag gac ata tct 728  
 Leu Ser Arg Pro Trp Trp Met Cys Ser Arg Arg Gly Lys Asp Ile Ser  
 215 220 225

tgg aac ttc tgacagaggt gacccggcgg atggcagaag cagagctggg 777  
 Trp Asn Phe  
 230

tcaagaagga aaagcaagga aaacgaaccc tgaaatccaa agcaccctcc ggaaacggct 837  
 gtatctgcag tag 850

<210> 7  
 <211> 230  
 <212> PRT  
 <213> Homo sapien

<400> 7

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 Ala Arg Leu Ala Leu Ile Leu Cys Val Thr Lys Ala Arg Glu Gly Ser  
 20 25 30  
 Glu Glu Asp Leu Asp Ala Leu Glu His Met Phe Arg Gln Leu Arg Phe  
 35 40 45  
 Glu Ser Thr Met Lys Arg Asp Pro Thr Ala Glu Gln Phe Gln Glu Glu  
 50 55 60  
 Leu Glu Lys Phe Gln Gln Ala Ile Asp Ser Arg Glu Asp Pro Val Ser  
 65 70 75 80  
 Cys Ala Phe Val Val Leu Met Ala His Gly Arg Glu Gly Phe Leu Lys  
 85 90 95  
 Gly Glu Asp Gly Glu Met Val Lys Leu Glu Asn Leu Phe Glu Ala Leu  
 100 105 110  
 Asn Asn Lys Asn Cys Gln Ala Leu Arg Ala Lys Pro Lys Val Tyr Ile  
 115 120 125  
 Ile Gln Ala Cys Arg Gly Glu Gln Arg Asp Pro Gly Glu Thr Val Gly  
 130 135 140  
 Gly Asp Glu Ile Val Met Val Ile Lys Asp Ser Pro Gln Thr Ile Pro  
 145 150 155 160  
 Thr Tyr Thr Asp Ala Leu His Val Tyr Ser Thr Val Glu Gly Pro Thr

165 170 175  
 Pro Phe Gln Asp Pro Leu Tyr Leu Pro Ser Glu Ala Pro Pro Asn Pro  
 180 185 190  
 Pro Leu Trp Asn Ser Gln Asp Thr Ser Pro Thr Asp Met Ile Arg Lys  
 195 200 205  
 Ala His Ala Leu Ser Arg Pro Trp Trp Met Cys Ser Arg Arg Gly Lys  
 210 215 220  
 Asp Ile Ser Trp Asn Phe  
 225 230

<210> 8  
 <211> 693  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> CDS  
 <222> (49)...(690)

<400> 8

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 Met Ser Asn  
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 ccg cgg tct ttg gaa gag gag aaa tat gat atg tca ggt gcc cgc ctg 105  
 Pro Arg Ser Leu Glu Glu Glu Lys Tyr Asp Met Ser Gly Ala Arg Leu  
 5 10 15  
  
 gcc cta ata ctg tgt gtc acc aaa gcc cgg gaa ggt tcc gaa gaa gaa 153  
 Ala Leu Ile Leu Cys Val Thr Lys Ala Arg Glu Gly Ser Glu Glu Glu  
 20 25 30 35  
  
 gag ctg gaa aaa ttc cag cag gcc atc gat tcc cgg gaa gat ccc gtc 201  
 Glu Leu Glu Lys Phe Gln Gln Ala Ile Asp Ser Arg Glu Asp Pro Val  
 40 45 50  
  
 agt tgt gcc ttc gtg gta ctc atg gct cac ggg agg gaa ggc ttc ctc 249  
 Ser Cys Ala Phe Val Val Leu Met Ala His Gly Arg Glu Gly Phe Leu  
 55 60 65  
  
 aag gga gaa gat ggg gag atg gtc aag ctg gag aat ctc ttc gag gcc 297  
 Lys Gly Glu Asp Gly Glu Met Val Lys Leu Glu Asn Leu Phe Glu Ala  
 70 75 80  
  
 ctg aac aac aag aac tgc cag gcc ctg cga gct aag ccc aag gtg tac 345  
 Leu Asn Asn Lys Asn Cys Gln Ala Leu Arg Ala Lys Pro Lys Val Tyr  
 85 90 95  
  
 atc ata cag gcc tgt cga gga gaa caa agg gac ccc ggt gaa aca gta 393  
 Ile Ile Gln Ala Cys Arg Gly Glu Gln Arg Asp Pro Gly Glu Thr Val  
 100 105 110 115  
  
 ggt gga gat gag att gtg atg gtc atc aaa gac agc cca caa acc atc 441  
 Gly Gly Asp Glu Ile Val Met Val Ile Lys Asp Ser Pro Gln Thr Ile  
 120 125 130

cca aca tac aca gat gcc ttg cac gtt tat tcc acg gta gag gga tac 489  
 Pro Thr Tyr Thr Asp Ala Leu His Val Tyr Ser Thr Val Glu Gly Tyr  
                   135                  140                  145

atc gcc tac cga cat gat cag aaa ggc tca tgc ttt atc cag acc ctg 537  
 Ile Ala Tyr Arg His Asp Gln Lys Gly Ser Cys Phe Ile Gln Thr Leu  
                   150                  155                  160

gtg gat gtg ttc acg aag agg aaa gga cat atc ttg gaa ctt ctg aca 585  
 Val Asp Val Phe Thr Lys Arg Lys Gly His Ile Leu Glu Leu Leu Thr  
                   165                  170                  175

gag gtg acc cgg cgg atg gca gaa gca gag ctg gtt caa gaa gga aaa 633  
 Glu Val Thr Arg Arg Met Ala Glu Ala Glu Leu Val Gln Glu Gly Lys  
                   180                  185                  190                  195

gca agg aaa acg aac cct gaa atc caa agc acc ctc cgg aaa cgg ctg 681  
 Ala Arg Lys Thr Asn Pro Glu Ile Gln Ser Thr Leu Arg Lys Arg Leu  
                                   200                                  205                                  210

tat ctg cag tag 693  
 Tyr Leu Gln

<210> 9  
 <211> 214  
 <212> PRT  
 <213> Homo sapien

<400> 9

Met Ser Asn Pro Arg Ser Leu Glu Glu Glu Lys Tyr Asp Met Ser Gly  
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 Ala Arg Leu Ala Leu Ile Leu Cys Val Thr Lys Ala Arg Glu Gly Ser  
                   20                  25                  30  
 Glu Glu Glu Glu Leu Glu Lys Phe Gln Gln Ala Ile Asp Ser Arg Glu  
                   35                  40                  45  
 Asp Pro Val Ser Cys Ala Phe Val Val Leu Met Ala His Gly Arg Glu  
   50                  55                  60  
 Gly Phe Leu Lys Gly Glu Asp Gly Glu Met Val Lys Leu Glu Asn Leu  
   65                  70                  75                  80  
 Phe Glu Ala Leu Asn Asn Lys Asn Cys Gln Ala Leu Arg Ala Lys Pro  
                   85                  90                  95  
 Lys Val Tyr Ile Ile Gln Ala Cys Arg Gly Glu Gln Arg Asp Pro Gly  
                   100                  105                  110  
 Glu Thr Val Gly Gly Asp Glu Ile Val Met Val Ile Lys Asp Ser Pro  
                   115                  120                  125  
 Gln Thr Ile Pro Thr Tyr Thr Asp Ala Leu His Val Tyr Ser Thr Val  
   130                  135                  140  
 Glu Gly Tyr Ile Ala Tyr Arg His Asp Gln Lys Gly Ser Cys Phe Ile  
   145                  150                  155                  160  
 Gln Thr Leu Val Asp Val Phe Thr Lys Arg Lys Gly His Ile Leu Glu  
                   165                  170                  175  
 Leu Leu Thr Glu Val Thr Arg Arg Met Ala Glu Ala Glu Leu Val Gln  
                   180                  185                  190  
 Glu Gly Lys Ala Arg Lys Thr Asn Pro Glu Ile Gln Ser Thr Leu Arg



Pro Ile Lys Glu Ala Asn  
65 70

<210> 13  
 <211> 62  
 <212> PRT  
 <213> Mus musculus

<400> 13  
 Gly Arg Thr Arg Lys Ala Leu Ile Ile Cys Asn Thr Glu Phe Lys His  
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 Leu Ser Leu Arg Tyr Gly Ala Asn Phe Asp Ile Ile Gly Met Lys Gly  
                   20                  25                  30  
 Leu Leu Glu Asp Leu Gly Tyr Asp Val Val Val Lys Glu Glu Leu Thr  
           35                  40                  45  
 Ala Glu Gly Met Glu Ser Glu Met Asp Lys Phe Ala Ala Leu  
           50                  55                  60

<210> 14  
 <211> 94  
 <212> PRT  
 <213> Mus musculus

<400> 14  
 Ser Glu His Gln Thr Ser Asp Ser Thr Phe Leu Val Leu Met Ser His  
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 Gly Thr Leu His Gly Ile Cys Gly Thr Met His Ser Glu Lys Thr Pro  
                   20                  25                  30  
 Asp Val Leu Gln Tyr Asp Thr Ile Tyr Gln Ile Phe Asn Asn Cys His  
           35                  40                  45  
 Cys Pro Gly Leu Arg Asp Lys Pro Lys Val Ile Ile Val Gln Ala Cys  
           50                  55                  60  
 Arg Gly Gly Asn Ser Gly Glu Met Trp Ile Arg Glu Ser Ser Lys Pro  
           65                  70                  75                  80  
 Gln Leu Cys Arg Gly Val Asp Leu Pro Arg Asn Met Glu Ala  
                   85                  90

<210> 15  
 <211> 89  
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 <213> Mus musculus

<400> 15  
 Asp Ala Val Lys Leu Ser His Val Glu Lys Asp Phe Ile Ala Phe Tyr  
           1                  5                  10                  15  
 Ser Thr Thr Pro His His Leu Ser Tyr Arg Asp Lys Thr Gly Gly Ser  
                   20                  25                  30

Tyr Phe Ile Thr Arg Leu Ile Ser Cys Phe Arg Lys His Ala Cys Ser  
 35 40 45

Cys His Leu Phe Asp Ile Phe Leu Lys Val Gln Gln Ser Phe Glu Lys  
 50 55 60

Ala Ser Ile His Ser Gln Met Pro Thr Ile Asp Arg Ala Thr Leu Thr  
 65 70 75 80

Arg Tyr Phe Tyr Leu Phe Pro Gly Asn  
 85

<210> 16

<211> 172

<212> PRT

<213> Mus musculus

<400> 16

Met Ala Ala Arg Arg Thr His Glu Arg Asp Pro Ile Tyr Lys Ile Lys  
 1 5 10 15

Gly Leu Ala Lys Asp Met Leu Asp Gly Val Phe Asp Asp Leu Val Glu  
 20 25 30

Lys Asn Val Leu Asn Gly Asp Glu Leu Leu Lys Ile Gly Glu Ser Ala  
 35 40 45

Ser Phe Ile Leu Asn Lys Ala Glu Asn Leu Val Glu Asn Phe Leu Glu  
 50 55 60

Lys Thr Asp Met Ala Gly Lys Ile Phe Ala Gly His Ile Ala Asn Ser  
 65 70 75 80

Gln Glu Gln Leu Ser Leu Gln Phe Ser Asn Asp Glu Asp Asp Gly Pro  
 85 90 95

Gln Lys Ile Cys Thr Pro Ser Ser Pro Ser Glu Ser Lys Arg Lys Val  
 100 105 110

Glu Asp Asp Glu Met Glu Val Asn Ala Gly Leu Ala His Glu Ser His  
 115 120 125

Leu Met Leu Thr Ala Pro His Gly Leu Gln Ser Ser Glu Val Gln Asp  
 130 135 140

Thr Leu Lys Leu Cys Pro Arg Asp Gln Phe Cys Lys Ile Lys Thr Glu  
 145 150 155 160

Arg Ala Lys Glu Ile Tyr Pro Val Met Glu Lys Glu  
 165 170

<210> 17

<211> 62  
 <212> PRT  
 <213> Mus musculus

<400> 17  
 Gly Arg Thr Arg Leu Ala Leu Ile Ile Cys Asn Lys Lys Phe Asp Tyr  
           1                  5                  10                  15  
 Leu Phe Asp Arg Asp Asn Ala Asp Thr Asp Ile Leu Asn Met Gln Glu  
                   20                  25                  30  
 Leu Leu Glu Asn Leu Gly Tyr Ser Val Val Leu Lys Glu Asn Leu Thr  
                   35                  40                  45  
 Ala Gln Glu Met Glu Thr Glu Leu Met Gln Phe Ala Gly Arg  
                   50                  55                  60

<210> 18  
 <211> 74  
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 <213> Mus musculus

<400> 18  
 Pro Glu His Gln Ser Ser Asp Ser Thr Phe Leu Val Phe Met Ser His  
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 Gly Ile Leu Glu Gly Ile Cys Gly Val Lys His Arg Asn Lys Lys Pro  
                   20                  25                  30  
 Asp Val Leu His Asp Asp Thr Ile Phe Lys Ile Phe Asn Asn Ser Asn  
                   35                  40                  45  
 Cys Arg Ser Leu Arg Asn Lys Pro Lys Ile Leu Ile Met Gln Ala Cys  
                   50                  55                  60  
 Arg Gly Arg Tyr Asn Gly Thr Ile Trp Val  
           65                  70

<210> 19  
 <211> 21  
 <212> PRT  
 <213> Mus musculus

<400> 19  
 Ser Thr Asn Lys Gly Ile Ala Thr Ala Asp Thr Asp Glu Glu Arg Val  
           1                  5                  10                  15  
 Leu Ser Cys Lys Trp  
                   20

<210> 20  
 <211> 90

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 20

Asn Asn Ser Ile Thr Lys Ala His Val Glu Thr Asp Phe Ile Ala Phe  
 1 5 10 15

Lys Ser Ser Thr Pro His Asn Ile Ser Trp Arg Val Gly Lys Thr Gly  
 20 25 30

Ser Leu Phe Ile Ser Lys Leu Ile Asp Cys Phe Lys Lys Tyr Cys Trp  
 35 40 45

Cys Tyr His Leu Glu Glu Ile Phe Arg Lys Val Gln His Ser Phe Glu  
 50 55 60

Val Pro Gly Glu Leu Thr Gln Met Pro Thr Ile Glu Arg Val Ser Met  
 65 70 75 80

Thr Arg Tyr Phe Tyr Leu Phe Pro Gly Asn  
 85 90

&lt;210&gt; 21

&lt;211&gt; 119

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 21

Met Ala Asp Lys Ile Leu Arg Ala Lys Arg Lys Gln Phe Ile Asn Ser  
 1 5 10 15

Val Ser Ile Gly Thr Ile Asn Gly Leu Leu Asp Glu Leu Leu Glu Lys  
 20 25 30

Arg Val Leu Asn Gln Glu Glu Met Asp Lys Ile Lys Leu Ala Asn Ile  
 35 40 45

Thr Ala Met Asp Lys Ala Arg Asp Leu Cys Asp His Val Ser Lys Lys  
 50 55 60

Gly Pro Gln Ala Ser Gln Ile Phe Ile Thr Tyr Ile Cys Asn Glu Asp  
 65 70 75 80

Cys Tyr Leu Ala Gly Ile Leu Glu Leu Gln Ser Ala Pro Ser Ala Glu  
 85 90 95

Thr Phe Val Ala Thr Glu Asp Ser Lys Gly Gly His Pro Ser Ser Ser  
 100 105 110

Glu Thr Lys Glu Glu Gln Asn  
 115

&lt;210&gt; 22

Asp Ile Leu Lys Val Asp Thr Ile Phe Gln Met Met Asn Thr Leu Lys  
35 40 45

Cys Pro Ser Leu Lys Asp Lys Pro Lys Val Ile Ile Ile Gln Ala Cys  
 50 55 60

Arg Gly Glu Lys Gln Gly Val Val Leu Leu Lys Asp~Ser  
 65 70 75

<210> 26  
 <211> 105  
 <212> PRT  
 <213> Mus musculus

<400> 26  
 Val Arg Asp Ser Glu Glu Asp Phe Leu Thr Asp Ala Ile Phe Glu Asp  
 1 5 10 15

Asp Gly Ile Lys Lys Ala His Ile Glu Lys Asp Phe Ile Ala Phe Cys  
 20 25 30

Ser Ser Thr Pro Asp Asn Val Ser Trp Arg His Pro Val Arg Gly Ser  
 35 40 45

Leu Phe Ile Glu Ser Leu Ile Lys His Met Lys Glu Tyr Ala Trp Ser  
 50 55 60

Cys Asp Leu Glu Asp Ile Phe Arg Lys Val Arg Phe Ser Phe Glu Gln  
 65 70 75 80

Pro Glu Phe Arg Leu Gln Met Pro Thr Ala Asp Arg Val Thr Leu Thr  
 85 90 95

Lys Arg Phe Tyr Leu Phe Pro Gly His  
 100 105

<210> 27  
 <211> 58  
 <212> PRT  
 <213> Mus musculus

<400> 27  
 Met Glu Asn Asn Lys Thr Ser Val Asp Ser Lys Ser Ile Asn Asn Phe  
 1 5 10 15

Glu Val Lys Thr Ile His Gly Ser Lys Ser Val Asp Ser Gly Ile Tyr  
 20 25 30

Leu Asp Ser Ser Tyr Lys Met Asp Tyr Pro Glu Met Gly Ile Cys Ile  
 35 40 45

Ile Ile Asn Asn Lys Asn Phe His Lys Ser  
 50 55

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<210> 30
<211> 39
<212> PRT
<213> Mus musculus

<400> 30
Val Glu Leu Lys Lys Leu Thr Ser Phe Phe Arg Gly Asp Tyr Cys Arg
 1                5                10                15
Ser Leu Thr Gly Lys Pro Lys Leu Phe Ile Ile Gln Ala Cys Arg Gly
                20                25                30
Thr Glu Leu Asp Cys Gly Ile
          35

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•

<400> 31  
Glu Thr Asp Ser  
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<210> 32  
 <211> 7  
 <212> PRT  
 <213> Mus musculus

<400> 32  
 Thr Asp Glu Glu Met Ala Cys  
 1 5

<210> 33  
 <211> 42  
 <212> PRT  
 <213> Mus musculus

<400> 33  
 Gln Lys Ile Pro Val Glu Ala Asp Phe Leu Tyr Ala Tyr Ser Thr Ala  
 1 5 10 15

Pro Gly Tyr Tyr Ser Trp Arg Asn Ser Lys Asp Gly Ser Trp Phe Ile  
 20 25 30

Gln Ser Leu Cys Ser Met Leu Lys Leu Tyr  
 35 40

<210> 34  
 <211> 51  
 <212> PRT  
 <213> Mus musculus

<400> 34  
 Ala His Lys Leu Glu Phe Met His Ile Leu Thr Arg Val Asn Arg Lys  
 1 5 10 15

Val Ala Thr Glu Phe Glu Ser Phe Ser Leu Asp Ser Thr Phe His Ala  
 20 25 30

Lys Lys Gln Ile Pro Cys Ile Val Ser Met Leu Thr Lys Glu Leu Tyr  
 35 40 45

Phe Tyr His  
 50

<210> 35  
 <211> 81  
 <212> PRT  
 <213> Mus musculus

<400> 35  
 Met Thr Asp Asp Gln Asp Cys Ala Ala Glu Leu Glu Lys Val Asp Ser  
 1 5 10 15

Ser Ser Glu Asp Gly Val Asp Ala Lys Pro Asp Arg Ser Ser Ile Ile

20 25 30  
 Ser Ser Ile Leu Leu Lys Lys Lys Arg Asn Ala Ser Ala Gly Pro Val  
 35 40 45  
 Arg Thr Gly Arg Asp Arg Val Pro Thr Tyr Leu Tyr Arg Met Asp Phe  
 50 55 60  
 Gln Lys Met Gly Lys Cys Ile Ile Ile Asn Asn Lys Asn Phe Asp Lys  
 65 70 75 80  
 Ala

<210> 36  
 <211> 47  
 <212> PRT  
 <213> Mus musculus

<400> 36  
 Thr Gly Met Asp Val Arg Asn Gly Thr Asp Lys Asp Ala Gly Ala Leu  
 1 5 10 15  
 Phe Lys Cys Phe Gln Asn Leu Gly Phe Glu Val Thr Val His Asn Asp  
 20 25 30  
 Cys Ser Cys Ala Lys Met Gln Asp Leu Leu Arg Lys Ala Ser Glu  
 35 40 45

<210> 37  
 <211> 28  
 <212> PRT  
 <213> Mus musculus

<400> 37  
 Glu Asp His Ser Asn Ser Ala Cys Phe Ala Cys Val Leu Leu Ser His  
 1 5 10 15  
 Gly Glu Glu Asp Leu Ile Tyr Gly Lys Asp Gly Val  
 20 25

<210> 38  
 <211> 39  
 <212> PRT  
 <213> Mus musculus

<400> 38  
 Thr Pro Ile Lys Asp Leu Thr Ala His Phe Arg Gly Asp Arg Cys Lys  
 1 5 10 15  
 Thr Leu Leu Glu Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Arg Gly  
 20 25 30

Thr Glu Leu Asp Asp Gly Ile  
35

<210> 39  
<211> 4  
<212> PRT  
<213> Mus musculus

<400> 39  
Gln Ala Asp Ser  
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<210> 40  
<211> 52  
<212> PRT  
<213> Mus musculus

<400> 40  
Pro Ile Asn Asp Ile Asp Ala Asn Pro Arg Asn Lys Ile Pro Val Glu  
1 5 10 15  
Ala Asp Phe Leu Phe Ala Tyr Ser Thr Val Pro Gly Tyr Tyr Ser Trp  
20 25 30  
Arg Asn Pro Gly Lys Gly Ser Trp Phe Val Gln Ala Leu Cys Ser Ile  
35 40 45

Leu Asn Glu His  
50

<210> 41  
<211> 51  
<212> PRT  
<213> Mus musculus

<400> 41  
Gly Lys Asp Leu Glu Ile Met Gln Ile Leu Thr Arg Val Asn Asp Arg  
1 5 10 15  
Val Ala Arg His Phe Glu Ser Gln Ser Asp Asp Pro Arg Phe Asn Glu  
20 25 30  
Lys Lys Gln Ile Pro Cys Met Val Ser Met Leu Thr Lys Glu Leu Tyr  
35 40 45

Phe Ser Arg  
50

<210> 42  
<211> 41

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 42

Met Thr Glu Thr Asp Gly Phe Tyr Lys Ser Arg Glu Val Phe Asp Pro  
 1 5 10 15

Ala Glu Gln Tyr Lys Met Asp His Lys Arg Arg Gly Val Ala Leu Ile  
 20 25 30

Phe Asn His Glu Arg Phe Phe Trp His  
 35 40

&lt;210&gt; 43

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 43

Leu Thr Leu Pro Glu Arg Arg Gly Thr Asn Ala Asp Arg Asp Asn Leu  
 1 5 10 15

Thr Arg Arg Phe Ser Asp Leu Gly Phe Glu Val Lys Cys Phe Asn Asp  
 20 25 30

Leu Arg Ala Glu Glu Leu Leu Leu Lys Ile His Glu Val Ser Thr  
 35 40 45

&lt;210&gt; 44

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 44

Ser Ser His Ile Asp Ala Asp Cys Phe Ile Cys Val Phe Leu Ser His  
 1 5 10 15

Gly Glu Gly Asn His Val Tyr Ala Tyr Asp Ala Lys  
 20 25

&lt;210&gt; 45

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 45

Ile Glu Ile Gln Thr Leu Thr Gly Leu Phe Lys Gly Asp Lys Cys Gln  
 1 5 10 15

Ser Leu Val Gly Lys Pro Lys Ile Phe Ile Ile Gln Ala Cys Arg Gly  
 20 25 30

Ser Gln His Asp Val Pro Val Val Pro Leu Asp Met Val Asp His Gln  
 35 40 45

Thr Asp Lys  
 50

<210> 46  
 <211> 52  
 <212> PRT  
 <213> Mus musculus

<400> 46  
 Asn Val Thr Gln Val Asp Ala Ala Ser Val Tyr Thr Leu Pro Ala Gly  
 1 5 10 15

Ala Asp Phe Leu Met Cys Tyr Ser Val Ala Glu Gly Tyr Tyr Ser His  
 20 25 30

Arg Glu Thr Val Asn Gly Ser Trp Tyr Ile Gln Asp Leu Cys Glu Met  
 35 40 45

Leu Ala Arg Tyr  
 50

<210> 47  
 <211> 55  
 <212> PRT  
 <213> Mus musculus

<400> 47  
 Gly Ser Ser Leu Glu Phe Thr Glu Leu Leu Thr Leu Val Asn Arg Lys  
 1 5 10 15

Val Ser Gln Arg Arg Val Asp Phe Cys Lys Asp Pro Asp Ala Ile Gly  
 20 25 30

Lys Lys Gln Val Pro Cys Phe Ala Ser Met Leu Thr Lys Lys Leu His  
 35 40 45

Phe Cys Pro Lys Pro Ser Lys  
 50 55

<210> 48  
 <211> 250  
 <212> PRT  
 <213> Mus musculus

<400> 48  
 Met Asp Phe Gln Ser Cys Leu Asp Ala Ile Ala Glu Glu Leu Gly Ser  
 1 5 10 15

Glu Asp Leu Ala Ala Leu Lys Phe Leu Cys Leu Asp Tyr Ile Pro His

20										25										30																																		
Lys	Lys	Leu	Glu	Thr	Ile	Glu	Asp	Ala	Gln	Lys	Leu	Phe	Leu	Arg	Leu																																							
		35					40						45																																									
Arg	Glu	Lys	Gly	Met	Leu	Glu	Glu	Gly	Asn	Leu	Ser	Phe	Leu	Lys	Glu																																							
		50				55					60																																											
Leu	Leu	Phe	His	Ile	Ser	Arg	Trp	Asp	Leu	Leu	Val	Asn	Phe	Leu	Asp																																							
		65			70				75					80																																								
Cys	Asn	Arg	Glu	Glu	Met	Val	Arg	Glu	Leu	Arg	Asp	Pro	Arg	Gln	Cys																																							
				85				90						95																																								
Pro	Arg	Phe	Leu	Pro	Tyr	Arg	Ser	Cys	Ser	Phe	Arg	Leu	Ser	Glu	Glu																																							
			100				105					110																																										
Val	Ser	Glu	Leu	Glu	Leu	Arg	Ser	Phe	Lys	Phe	Leu	Leu	Asn	Asn	Glu																																							
		115				120						125																																										
Ile	Pro	Lys	Cys	Lys	Leu	Glu	Asp	Asp	Leu	Ser	Leu	Leu	Glu	Ile	Phe																																							
		130				135					140																																											
Val	Glu	Met	Glu	Lys	Arg	Thr	Met	Leu	Ala	Glu	Asn	Asn	Leu	Glu	Thr																																							
		145			150				155					160																																								
Leu	Lys	Ser	Ile	Cys	Asp	Gln	Val	Asn	Lys	Ser	Leu	Leu	Gly	Lys	Ile																																							
				165				170					175																																									
Glu	Asp	Tyr	Glu	Arg	Ser	Ser	Thr	Glu	Arg	Arg	Met	Ser	Leu	Glu	Gly																																							
			180					185				190																																										
Arg	Glu	Glu	Leu	Pro	Pro	Ser	Val	Leu	Asp	Glu	Met	Ser	Leu	Lys	Met																																							
		195				200					205																																											
Ala	Glu	Leu	Cys	Asp	Ser	Pro	Arg	Glu	Gln	Asp	Ser	Glu	Ser	Arg	Thr																																							
		210				215					220																																											
Ser	Asp	Lys	Val	Tyr	Gln	Met	Lys	Asn	Lys	Pro	Arg	Gly	Tyr	Cys	Leu																																							
		225			230				235					240																																								
Ile	Ile	Asn	Asn	His	Asp	Phe	Ser	Lys	Ala																																													
				245				250																																														

&lt;210&gt; 49

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 49

Arg	Glu	Asp	Ile	Thr	Gln	Leu	Arg	Lys	Met	Lys	Asp	Arg	Lys	Gly	Thr
1						5				10				15	

Asp	Cys	Asp	Lys	Glu	Ala	Leu	Ser	Lys	Thr	Phe	Lys	Glu	Leu	His	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

20 25 30  
 Glu Ile Val Ser Tyr Asp Asp Cys Thr Ala Asn Glu Ile His Glu Ile  
 35 40 45

Leu Glu Gly Tyr Gln Ser  
 50

<210> 50  
 <211> 28  
 <212> PRT  
 <213> Mus musculus

<400> 50  
 Ala Asp His Lys Asn Lys Asp Cys Phe Ile Cys Cys Ile Leu Ser His  
 1 5 10 15

Gly Asp Lys Gly Val Val Tyr Gly Thr Asp Gly Lys  
 20 25

<210> 51  
 <211> 52  
 <212> PRT  
 <213> Mus musculus

<400> 51  
 Glu Ala Ser Ile Tyr Asp Leu Thr Ser Tyr Phe Thr Gly Ser Lys Cys  
 1 5 10 15

Pro Ser Leu Ser Gly Lys Pro Lys Ile Phe Phe Ile Gln Ala Cys Arg  
 20 25 30

Gly Ser Asn Phe Gln Lys Gly Val Pro Asp Glu Ala Gly Phe Glu Gln  
 35 40 45

Gln Asn His Thr  
 50

<210> 52  
 <211> 47  
 <212> PRT  
 <213> Mus musculus

<400> 52  
 Ser Ser His Lys Asn Tyr Ile Pro Asp Glu Ala Asp Phe Leu Leu Gly  
 1 5 10 15

Met Ala Thr Val Leu Met Cys Val Ser Tyr Arg Asp Pro Val Asn Gly  
 20 25 30

Thr Trp Tyr Ile Gln Ser Leu Cys Gln Ser Leu Arg Glu Arg Cys  
 35 40 45

<210> 53  
 <211> 19  
 <212> PRT  
 <213> Mus musculus

<400> 53  
 Pro Gln Gly Asp Asp Ile Leu Ser Ile Leu Thr Gly Val Asn Tyr Asp  
           1                  5                  10                  15

Val Ser Asn

<210> 54  
 <211> 22  
 <212> PRT  
 <213> Mus musculus

<400> 54  
 Lys Asp Asp Arg Arg Asn Lys Gly Lys Gln Met Pro Gln Pro Thr Phe  
           1                  5                  10                  15

Thr Leu Arg Lys Lys Leu  
                   20

<210> 55  
 <211> 260  
 <212> PRT  
 <213> Mus musculus

<400> 55  
 Met Ala Ala Pro Ser Gly Arg Ser Gln Ser Ser Leu His Arg Lys Gly  
           1                  5                  10                  15

Leu Met Ala Ala Asp Arg Arg Ser Arg Ile Leu Ala Val Cys Gly Met  
                   20                  25                  30

His Pro Asp His Gln Glu Thr Leu Lys Lys Asn Arg Val Val Leu Ala  
           35                  40                  45

Lys Gln Leu Leu Leu Ser Glu Leu Leu Glu His Leu Leu Glu Lys Asp  
           50                  55                  60

Ile Ile Thr Leu Glu Met Arg Glu Leu Ile Gln Ala Lys Gly Gly Ser  
           65                  70                  75                  80

Phe Ser Gln Asn Val Glu Leu Leu Asn Leu Leu Pro Lys Arg Gly Pro  
                   85                  90                  95

Gln Ala Phe Asp Ala Phe Cys Glu Ala Leu Arg Glu Thr Arg Gln Gly  
           100                  105                  110



His Leu Glu Asp Leu Leu Leu Thr Thr Leu Ser Asp Ile Gln His Val  
115 120 125

Leu Pro Pro Leu Ser Cys Asp Tyr Asp Thr Ser Leu Pro Phe Ser Val  
130 135 140

Cys Glu Ser Cys Pro Pro His Lys Gln Leu Arg Leu Ser Thr Asp Ala  
145 150 155 160

Thr Glu His Ser Leu Asp Asn Gly Asp Gly Pro Pro Cys Leu Leu Val  
165 170 175

Lys Pro Cys Thr Pro Glu Phe Tyr Gln Ala His Tyr Gln Leu Ala Tyr  
180 185 190

Arg Leu Gln Ser Gln Pro Arg Gly Leu Ala Leu Val Leu Ser Asn Val  
195 200 205

His Phe Thr Gly Glu Lys Asp Leu Glu Phe Arg Ser Gly Gly Asp Val  
210 215 220

Asp His Thr Thr Leu Val Thr Leu Phe Lys Leu Leu Gly Tyr Asn Val  
225 230 235 240

His Val Leu His Asp Gln Thr Ala Gln Glu Met Gln Glu Lys Leu Gln  
245 250 255

Asn Phe Ala Gln  
260

<210> 56  
<211> 11  
<212> PRT  
<213> Mus musculus

<400> 56  
Leu Pro Ala His Arg Val Thr Asp Ser Val Cys  
1 5 10

<210> 57  
<211> 18  
<212> PRT  
<213> Mus musculus

<400> 57  
Val Ala Leu Leu Ser His Gly Val Glu Gly Gly Ile Tyr Gly Val Asp  
1 5 10 15

Gly Lys

<210> 58

<211> 56  
 <212> PRT  
 <213> Mus musculus

<400> 58  
 Leu Leu Gln Leu Gln Glu Val Phe Arg Leu Phe Asp Asn Ala Asn Cys  
           1                  5                  10                  15  
 Pro Ser Leu Gln Asn Lys Pro Lys Met Phe Phe Ile Gln Ala Cys Arg  
                   20                  25                  30  
 Gly Asp Glu Thr Asp Arg Gly Val Asp Gln Gln Asp Gly Lys Asn His  
           35                  40                  45  
 Thr Gln Ser Pro Gly Cys Glu Glu  
           50                  55

<210> 59  
 <211> 53  
 <212> PRT  
 <213> Mus musculus

<400> 59  
 Ser Asp Ala Gly Lys Glu Glu Leu Met Lys Met Arg Leu Pro Thr Arg  
           1                  5                  10                  15  
 Ser Asp Met Ile Cys Gly Tyr Ala Cys Leu Lys Gly Asn Ala Ala Met  
                   20                  25                  30  
 Arg Asn Thr Lys Arg Gly Ser Trp Tyr Ile Glu Ala Leu Thr Gln Val  
           35                  40                  45  
 Phe Ser Glu Arg Ala  
           50

<210> 60  
 <211> 18  
 <212> PRT  
 <213> Mus musculus

<400> 60  
 Asp Met His Val Ala Asp Met Leu Val Lys Val Asn Ala Leu Ile Lys  
           1                  5                  10                  15  
 Glu Arg

<210> 61  
 <211> 35  
 <212> PRT  
 <213> Mus musculus

&lt;400&gt; 61

Glu Gly Tyr Ala Pro Gly Thr Glu Phe His Arg Cys Lys Glu Met Ser  
 1 5 10 15

Glu Tyr Cys Ser Thr Leu Cys Gln Gln Leu Tyr Leu Phe Pro Gly Tyr  
 20 25 30

Pro Pro Thr  
 35

&lt;210&gt; 62

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 62

Met Glu Ser Glu Met Ser Asp Pro Gln Pro Leu Gln Glu Glu Arg Tyr  
 1 5 10 15

Asp Met Ser Gly Ala Arg Leu Ala Leu Thr Leu Cys Val Thr Lys  
 20 25 30

&lt;210&gt; 63

&lt;211&gt; 74

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 63

Ala Arg Glu Gly Ser Glu Val Asp Met Glu Ala Leu Glu Arg Met Phe  
 1 5 10 15

Arg Tyr Leu Lys Phe Glu Ser Thr Met Lys Arg Asp Pro Thr Ala Gln  
 20 25 30

Gln Phe Leu Glu Glu Leu Asp Glu Phe Gln Gln Thr Ile Asp Asn Trp  
 35 40 45

Glu Glu Pro Val Ser Cys Ala Phe Val Val Leu Met Ala His Gly Glu  
 50 55 60

Glu Gly Leu Leu Lys Gly Glu Asp Glu Lys  
 65 70

&lt;210&gt; 64

&lt;211&gt; 56

&lt;212&gt; PRT

&lt;213&gt; Mus musculus

&lt;400&gt; 64

Met Val Arg Leu Glu Asp Leu Phe Glu Val Leu Asn Asn Lys Asn Cys  
 1 5 10 15

Lys Ala Leu Arg Gly Lys Pro Lys Val Tyr Ile Ile Gln Ala Cys Arg  
                   20                  25                  30

Gly Glu His Arg Asp Pro Gly Glu Glu Leu Arg Gly Asn Glu Glu Leu  
                   35                  40                  45

Gly Gly Asp Glu Glu Leu Gly Gly  
                   50                  55

<210> 65  
 <211> 53  
 <212> PRT  
 <213> Mus musculus

<400> 65  
 Asp Glu Val Ala Val Leu Lys Asn Asn Pro Gln Ser Ile Pro Thr Tyr  
           1                  5                  10                  15

Thr Asp Thr Leu His Ile Tyr Ser Thr Val Glu Gly Tyr Leu Ser Tyr  
                   20                  25                  30

Arg His Asp Glu Lys Gly Ser Gly Phe Ile Gln Thr Leu Thr Asp Val  
                   35                  40                  45

Phe Ile His Lys Lys  
                   50

<210> 66  
 <211> 15  
 <212> PRT  
 <213> Mus musculus

<400> 66  
 Ile Leu Glu Leu Thr Glu Glu Ile Thr Arg Leu Met Ala Asn Thr  
           1                  5                  10                  15

<210> 67  
 <211> 8  
 <212> PRT  
 <213> Mus musculus

<400> 67  
 Glu Val Met Gln Glu Gly Lys Pro  
           1                  5

<210> 68  
 <211> 17  
 <212> PRT  
 <213> Mus musculus

<400> 68

Arg Lys Val Asn Pro Glu Val Gln Ser Thr Leu Arg Lys Lys Leu Tyr  
 1 5 10 15

Gln

<210> 69

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from mouse caspase-14 cDNA

<400> 69

atatgatatg tcaggtgccc g

21

<210> 70

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from mouse caspase-14 cDNA

<400> 70

ttccggaggg tgctttgga

19

<210> 71

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from human caspase-14 cDNA

<400> 71

cctgtatgat gtacaccttg g

21

<210> 72

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from human caspase-14 cDNA

<400> 72

agagattctc cagcttgac

19

<210> 73

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from human caspase-14 cDNA

<400> 73

atcttctccc ttgaggaag

19

<210> 74

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from human caspase-14 cDNA

<400> 74

atatgatatg tcaggtgccc g

21

<210> 75

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer derived from human caspase-14 cDNA

<400> 75

caaggtgtac atcatcacgg

20

<210> 76

<211> 850

<212> DNA

<213> Mus musculus

<220>

<221> modified\_base

<222> (537)

<223> Where n is Adenine, Cytosine, Guanine or Thymidine

<400> 76

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gtgcgcaggc ggggtgcgcag gccactctgt ctccgttttg tttccacgac tttcgggtctg 60
tacctcagtc tctactcact aggagtcggt aacgtcctcc tttctatact atacagtcca 120
cgggcggacc gggactgcga cacacagtgg tttcgggccc tcccaaggct ccatctgtac 180
ctccgggacc ttgcgtacaa ggcaatggac tttaaacttt cgtgggtactt ctccctaggg 240
tggcgggtcg ttaaagacct tctcaacctt cttaaagtcg tctgggtatct attaacctt 300
ctcggacagt cgacacggaa acaccatgag taccgtgtac cactccttcc ggaggagtcc 360
cctcttctac tcttctacca gtctgatctt ctggaaaaac ttcagaactt gttgttcttg 420
acgttccggg actctccgtt cggtttcac atgtagtagg tccgaacatc tcctctcgtg 480
tctctggggc cactccttga tgcaccttta ctcttgatc cacctctact ccttgancca 540
cctctactcc aacgacacga gttcttggtg ggggtttcat aggggttgat atgcctatgg 600
gaggtgtaga tgaggtgcca tctcccatg gagaggatat ctgtactgct ctttccgaga 660
ccgaagtagg tctgggactg cctacacaag taagtatttt ttcttaggta gaatcttgac 720
tgtcttctct agtgggctga ataccgtttg tgcctccact acgtccttcc ttttgggtcc 780
tttcacttgg gacttcagggt ttctgtgggag gccttcttcg agataaacgt tattttctct 840
cccgtcccta 850
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<210> 77

<400> 77  
His Ala Ser Ala His Ala Ser Gly Glu Thr Glu Ala Lys Gln Arg Cys  
1 5 10 15

<400> 78  
Lys Arg Gly Gln Gly  
1 5